

That which is claimed:

1. A process for extracting BMP from DBM, comprising the steps of:
providing DBM;
mixing said DBM with a cold aqueous solution of a neutral salt and a solubilizing agent for BMP;
extracting BMP from the resulting precipitate and liquid fraction without dialyzing either of said resulting precipitate and liquid fraction.

2. The process of claim 1, further comprising the steps of:
taking a first portion of said extracted BMP and determining its osteoinductivity using an ELISA kit; and
taking a second portion of said extracted BMP and determining its osteoinductivity by implantation in an ATNR;
the osteoinductivities of said first and second portions being substantially the same.

3. The process of claim 1, further comprising the step of preparing said extracted BMP for implantation without the additional step of dialysis.

4. A process for extracting BMP from DBM, including the step of retaining molecules having a molecular weight of at least 10kDa.